# 300 Mbps Wireless N Gigabit Router

## TEW-633GR (V1.1)

The 300Mbps Wireless N Gigabit Gaming Router incorporates the latest wireless and Gigabit networking technology to increase speed, range, security and reliability. The router provides unsurpassed gaming and network experience and performance.

Advanced antenna and 802.11 N technology increases wireless data range and coverage. Enjoy lag-free gaming and file transfers on your wired Gigabit computers via the built-in Gigabit switch. This router features a powerful firewall and advanced wireless encryption for secured transmissions. Quality of Service (QoS) prioritization provides a seamless gaming and multimedia streaming experience. Increased speed, throughput and range make it the perfect solution to fulfill your gaming needs.

** Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will cary depending on interference, network traffic, building materials and other conditions.

## FEATURES

- Wi-Fi compliant with IEEE 802.11n and IEEE 802.11b/g standards
- 4 x 10/100/1000Mbps Auto-MDIX Gigabit LAN port and 1 x 10/100/1000Mbps Gigabit WAN port (Internet)
- Supports Cable/DSL modems with Dynamic IP, Static IP, PPPoE, PPTP, L2TP & BigPond connection types
- IEEE 802.11n (draft 2.0) Wi-Fi Certified
- GREENnet technology can reduce power consumption by up to 70%
    - Reduces power supplied to unused ports, computers that are turned off or are in standby mode and when shorter Ethernet cables are use
- Energy Star Certified external power adapter consumers up to 30% less power
- High-speed up to 300Mbps data rate using IEEE 802.11n connection
- Built-in 3 external antennas support high speed performance and great coverage
- Firewall features Network Address Translation (NAT), and Stateful Packet Inspection (SPI) protects against DoS attacks
- Traffic control with virtual servers, special applications, gaming services & Ubicom StreamEngine™ feature
- UPnP (Universal Plug & Play) and ALGs support for internet applications such as email, FTP, gaming, remote desktop, Net Meeting, telnet, and more
- Provides additional security of enable/disable wireless SSID, internet access control (services, URL & MAC filtering)
- Supports multiple and concurrent IPSec, L2TP and PPTP VPN pass-through sessions
- Supports Static Routing – RIPv1 announcer
- Easy management via web browser (IE 6.0 or above, Firefox, Opera, Netscape) and remote management
- Supports 64/128-bit WEP(for 11b/g), WPA/WPA2 and WPA-PSK/WPA2-PSK
- Compliant with Windows 95/98/NT/2000/XP/2003 server/Vista, Linux and Mac OS
- Coverage up to 150 meters (500ft.) indoor(depends on the environment)
- Coverage up to 400 meters (1300ft.) outdoor(depends on the environment)
- 3 year warranty
- Link to Wi-Fi certification: http://certifications.wi-fi.org/wbcs_ViewCertificate.php?product_id=5828

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## SPECIFICATIONS

| Hardware | |
|---|---|
| **Standards** | • Wired: IEEE 802.3 (10Base-T), IEEE 802.3u (100Base-TX), IEEE 802.3ab (1000Base-T)<br>• Wireless: IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (draft 2.0), IEEE 802.11e QoS |
| **WAN** | • 1 x 10/100/1000Mbps Auto-MDIX gigabit port (Internet) |
| **LAN** | • 4 x 10/100/1000Mbps Auto-MDIX gigabit port |
| **Slide Switch** | • Turn On/Off Wireless LAN |
| **WPS Button** | • Enable WPS function (PIN setup) |
| **Connection Type** | • Dynamic IP, Static (Fixed) IP, PPPoE, PPTP, L2TP, BigPond |
| **NAT Firewall** | • 3K configurable NAT entries; Restricted NAPT<br>• IP Ranges, Port Ranges & Schedule<br>• Pre-Defined Game Hosting Configurations<br>• Port triggering for 24 special applications<br>• ALG support (enable/disable support) – PPTP, IPSec, RTP/RTSP, AOL, FTP, ICMP, WMP/MMS, NetMeeting, SIP, MSN Messenger, Wake on LAN |
| **SPI Firewall** | • UP to 24 Rules<br>• Cyber Attack Protection – Verified Against Over 2000 Attacks |
| **Multicast Stream** | • Enable/Disable control support |
| **UPnP** | • UPnP IGD Compliant |
| **DMZ** | • DMZ Host, 24 Configurable Virtual Servers & Game Servers |
| **DNS** | • Static or WAN assigned DNS Servers<br>• 10 verified services for DDNS |
| **Internet Access Control** | • Policy based parental control; Time based internet access; Port range/service filtering; Dynamic URL filtering; Internet domain restriction; 32 user defined schedules, 24 MAC Address Filter Entries |
| **Logging** | • 3 types & 3 severities event logging; up to 1K entries<br>• Email report logging on schedule or log full |
| **LED Indicator** | • Power, LAN1~LAN4, WAN, WLAN |
| **Power Adapter** | • 12V DC, 1A External Power Adapter |
| **Power Consumption** | • 779mA |
| **Dimensions (LxWxH)** | • 150 x 162 x 25 mm (5.9 x 6.4 x 1 inches) |
| **Weight** | • 335g (11.8oz) |
| **Temperature** | • Operating: 0° ~ 40° C (32° ~ 104° F)<br>• Storage: -20° ~ 60° C (-4° ~ 140° F) |
| **Humidity** | • Max. 90% (Non-Condensing) |
| **Emissions** | • CE, FCC |

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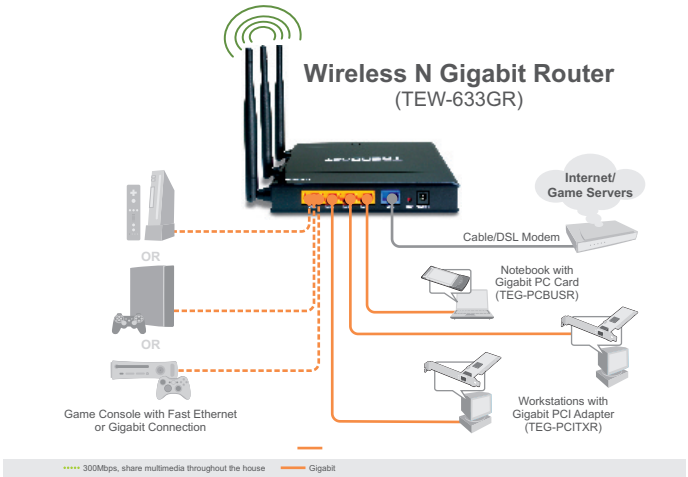
## SPECIFICATIONS

| Wireless | |
|---|---|
| **Frequency** | • 2.412 ~ 2.462 GHz (FCC)<br>• 2.412 ~ 2.472 GHz (ETSI) |
| **Antenna** | • 3 x 4dBi Fixed Dipole Antenna |
| **Media Access Protocol** | • CSMA/CA with ACK |
| **Data Rate (auto fallback)** | • 802.11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps<br>• 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps<br>• 802.11n (draft 2.0) : up to 300Mbps |
| **Security** | • Encryption: Hardware AES/TKIP, 64/128-bit WEP (Hex/Passpharse, for 11b/g)<br>• 802.1X/EAP: EAP-TLE,EAP-TTLE/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC<br>• WPA: WPA/WPA2, WPA-PSK/WPA2-PSK (AES-11b/g/n, TKIP-11b/g)<br>• WPS: support PIN and PBC<br>• SSID broadcast control |
| **Output Power** | • 802.11b: 18dBm (typical)<br>• 802.11g: 15dBm (typical)<br>• 802.11n (draft 2.0): 6dBm (typical) with HT20 or HT40 |
| **Receiving Sensitivity** | • 802.11b: -84dBm (typical) @ 11Mbps<br>• 802.11g: -72dBm (typical) @ 54Mbps<br>• 802.11n (draft 2.0) : -70dBm (typical) with HT20 or HT40 |
| **Channels** | • 1~11 (US), 1~13 (EU) |

## NETWORKING SOLUTIONS




## PACKAGE CONTENTS

- TEW-633GR
- Multi-language quick installation guide
- Easy-Go installation CD-ROM
- Power Adapter (12V DC, 1A)
- RJ-45 Cable (1.5m)

## RELATED PRODUCTS

| | |
|---|---|
| **TEW-621PC** | 300Mbps Wireless N-Draft PC Card |
| **TEW-623PI** | 300Mbps Wireless N-Draft PCI Adapter |
| **TEW-624UB** | 300Mbps Wireless N USB 2.0 Adapter |
| **TEW-630APB** | 300Mbps Wireless N-Draft Access Point |

## ORDERING INFORMATION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